

CLAIMS

What is claimed is:

1. A system comprising:

a network interface coupled with a public network to receive a first client hello message and Wireless Transport Layer Security encrypted data on a first port and to receive a second client hello message and Secure Sockets Layer encrypted data on a second port;

a selection system coupled with the network interface to select a first security format conversion if the first client hello message is received on the first port and to select a second security format conversion if the second client hello message is received on the second port;

a conversion system coupled with the selection system to perform the first security format conversion on the Wireless Transport Layer Security encrypted data if the first security format conversion is selected and to perform the second security format conversion on the Secure Sockets Layer encrypted data if the second security format conversion is selected; and

a network interface coupled with the conversion system and with a server to receive security format converted data from the conversion system and provide the converted data to the server.

2. The system of claim 1, wherein the selection system is a selection system to select the first security format conversion based on a supported security feature indicated in the first client hello message.

3. The system of claim 1:

wherein the public network comprises the Internet;

wherein the selection system is contained within a single network device; and

wherein the security format converted data comprises plain data.

4. A selection system to receive an indication of a security format from a network and to select one of a plurality of security format conversions based on the received indication.

5. The system of claim 4, wherein the selection system is disposed between the Internet and a data center server.

6. The system of claim 4, wherein the selection system is functionally disposed between a first switch and a second switch within a data center.

7. The system of claim 4, wherein the selection system is implemented on a data center server.

8. The system of claim 4:

wherein the plurality of security format conversions comprises a first security format conversion from a Wireless Transport Layer Security format to another format and a second security format conversion from an Secure Sockets Layer security format to another format; and

wherein the selection system is a selection system to select the first security format conversion after receiving information indicating the Wireless

Transport Layer Security format from the network and to select the second

security format conversion after receiving information indicating the Secure Sockets Layer security format from the network.

9. The system of claim 4:

wherein the indication of the security format comprises an indication of a port;
and

wherein the selection system selects said one security format conversion based on the indication of the port.

10. The system of claim 8:

wherein the indication of the security format comprises a client hello message including information about a security feature supported by a client access device;

wherein the selection system selects said one security format conversion based on the information about the security feature.

11. A method comprising:

listening for a security negotiation message on a plurality of configured ports;

receiving the security negotiation message on a first configured port of the plurality;

selecting a predetermined security format conversion based on the first configured port and the security negotiation message.

12. The method of claim 11:

wherein listening comprises listening on the first port for a security negotiation message corresponding to a wireless access device and listening on a second configured port for a security negotiation message corresponding to a wired access device;

receiving comprises receiving the security negotiation message corresponding to the wireless access device on the first port; and

wherein selecting comprises selecting a conversion from a security format appropriate for the wireless device to a plain data format.

13. The method of claim 11:

wherein listening comprises listening for a Wireless Transport Layer Security client hello message on a first configured port and listening for a Secure Sockets Layer client hello message on a second configured port;

wherein receiving comprises receiving the Wireless Transport Layer Security client hello message on the first port; and

wherein selecting comprises selecting a conversion from Wireless Transport Layer Security format to plain data format based on the first port and based on encryption algorithm information of the Wireless Transport Layer Security client hello message.

14. The method of claim 11, wherein listening comprises listening on port 443 and listening on a port having a number selected from the group consisting of the numbers 9208 through 9282.

15. A machine-readable medium having stored thereon data representing sequences of instructions that if executed cause a machine to:
- listen for a first client hello message from a wireless device on a first port and listen for a second client hello message from a wired device on a second port;
- receive the first client hello message on the first port and receive the second client hello message on the second port; and
- select a first security format conversion to be performed on encrypted data received from the wireless device and select a second security format conversion to be performed on encrypted data received from the wired device.
16. The machine-readable medium of claim 15, wherein the instructions to select further comprise instructions causing the machine to select a first security format conversion from a wireless security format indicated in the first client hello message.
17. The machine-readable medium of claim 15, wherein the instructions to select further comprise instructions causing the machine to select a first security format conversion from a Wireless Transport Layer Security encrypted data format to a plain data format and select a second security format conversion from an Secure Sockets Layer encrypted data format to a plain data format.